

Atlas Copco Surface Drill Rigs

ROC[®] L6²⁵ and ROC[®] L6³⁰



Master of quarry blast hole drilling

Hole diameter 92–152 mm (3⁵/₈–6")



Atlas Copco

Power and productivity

ROC L6²⁵ and L6³⁰ are high-capacity down-the-hole crawler drills primarily designed for quarry blast hole drilling in virtually all types of rock formations for aggregate production and limestone for cement production. Fitted with Atlas Copco's high pressure compressors, 25 and 30 bar, and powerful CAT C11 and C13 diesel engines the ROC L6 series is also appreciated in mining operations and coal overburden drilling thanks to its flexibility and overall drilling capacity and economy.

Flexibility, precision and mobility

The ability to drill in different angles and to accurately set the hole inclination and control the depth of the hole contributes to the overall economy of the operation. The boom and feed movements of ROC L6 offers excellent flexibility for vertical, horizontal and angle drilling. A well balanced design and limited transport dimensions makes the rig movement smooth and transport from site to site easy.

The ROC L6 gives you:

- Efficient utilisation of hammer capacity through a unique cylinder feed system
- Productivity beyond conventional rigs using down-the-hole hammers
- Transport configuration ideal for single or multi site operations
- Straight accurate blast holes for controlled fragmentation
- Deep hole drilling capacity
- Flexible drilling angles



A selection of rotary heads for optimum use of 3–5" down-the-hole hammers

Full view ROPS and FOPS cabin, silenced and vibration damped

Long life aluminium box profile hydraulic cylinder feed system with exchangeable snap on stainless steel wear protections

Carousel tube handling system with deep hole capacity

Full-length, spring operated canopy doors offers full access to service points

Flexibility and mobility in focus

The ROC L6 has excellent tramming ability for quick, safe transportation on site and between work sites. The ROC L6 features a strong single section boom design that permits the operator to position the feed for transport or drilling, precise and fast, from within the cab.

DTH hammers – strikingly efficient

The ROC L6 series can be equipped with a range of Atlas Copco down-the-hole (DTH) hammers well known for their high performance in terms of speed, reliability and longevity. With higher penetration rates and lower fuel consumption per meter drilled Atlas Copco's hammers make a positive impact on your bottom line.

Designed to keep you up and running

Like all our crawlers, the ROC L6 is designed for easy maintenance with ready access to service points. All hoses and cables are marked at each end to coincide with the schematic drawings in spare parts lists for easy trouble-shooting.

Drilling made perfect

The electronic hole inclination and depth control instrument combined with a laser receiver (optional) ensure that all blast holes are perfectly aligned and drilled to a predetermined level irrespective of the ground conditions. With the optional GPS compass all holes are guaranteed in parallel towards the blasting direction. Mentioned features ensure even bench bottoms, controlled fragmentation, easier loading and haulage and savings in the total excavation cost.



The optimum rig for multi site operations



A selection of options on ROC L6²⁵ and L6³⁰

For a more comprehensive options list, please contact your local Atlas Copco Customer Center.



Focus on the rig

The ROC CARE package is designed for contractors and quarries at their surface drilling operations. The pack-age includes scheduled main-tenance, rig inspections, extended warranty for all major rig components and Procom.

Lifting aid

The feed mounted service winch offers lifting capacity when loading drill tubes into the rod handling system for extended hole depth, or for lifting of components at service. The control is conveniently located at the break out table.

Fast and accurate

The GPS Compass aiming device uses the GPS satellite system and enables you to lock the blast direction for every hole in the blast. GPS compass adds a new dimension to the extensive automation already available on ROC L6.

Increased safety

With the back camera the rear terrain can be viewed on a cab mounted monitor for increased safety at rear tramming. The same monitor may also be connected to the optional DVD for viewing DVD discs.

Quick facts ROC L6²⁵ and ROC L6³⁰

Main application area:	<input type="checkbox"/> DIMENSION STONE INDUSTRY <input checked="" type="checkbox"/> LIMESTONE QUARRIES	<input checked="" type="checkbox"/> CONSTRUCTION <input type="checkbox"/> SELECTIVE MINING	<input checked="" type="checkbox"/> AGGREGATE QUARRIES <input checked="" type="checkbox"/> SURFACE MINING
Drilling method:	<input type="checkbox"/> TOPHAMMER	<input checked="" type="checkbox"/> DOWN-THE-HOLE	<input type="checkbox"/> COPROD
Rock Drill:	COP 34/TD 35	COP 44	COP 54GE
Drill Steel:	76–89 mm (3–3 1/2")	76–89 mm (3–3 1/2")	89–102 mm (3 1/2"–4")
Hole diameter:	<p>92 mm (3") 152 mm (6")</p>		
Maximum hole depth:	<p>45 m (148')</p>		
Engine Power: rating at 1800 rpm	<p>L6 25: 287 kW (385 HP) L6 30: 328 kW (440 HP)</p>		
Available air flow FAD:	<p>L6 25: 295 l/s (625 cfm) L6 30: 354 l/s (750 cfm)</p>		

